

O&M COMMANDERS' CONFERENCE

ACHIEVING DOD ENTERPRISE DATA

Ms. Belkis Leong-Hong
Acting Director, The Center for Information Management
Defense Information Systems Agency
September 23, 1993

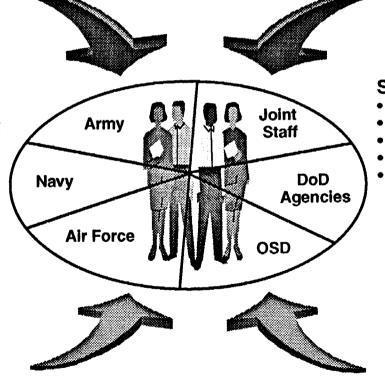


CIM PROGRAMS



Information Engineering

- Functional Economic Analysis
- Functional Process Improvement
- Tools



Service to Our Customers



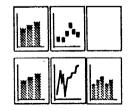
Software Systems Engineering

- Software Reuse
- Reengineering
- Software Process Assessment
- I-CASE and Technology Transfer
- Metrics



Infrastructure

- Infrastructure Operations Improvement
- DoD COTS Product Management
- Automation Resources Management
- IT Asset Management

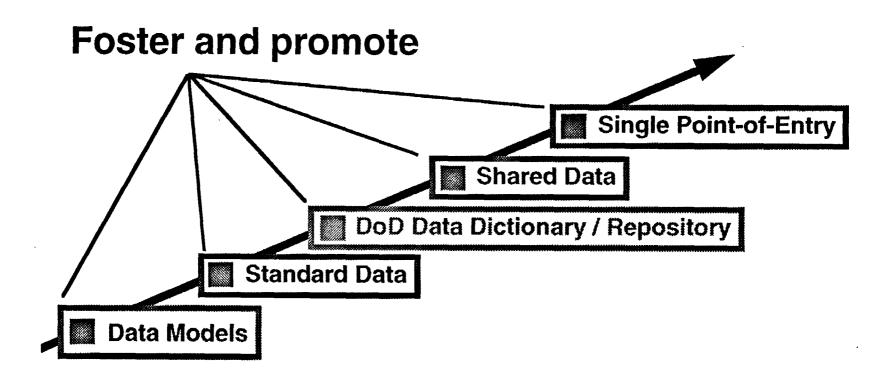


Data Administration

- Policies and Procedures
- Models
- Standardization / DDRS



Center for Information Management DATA ADMINISTRATION

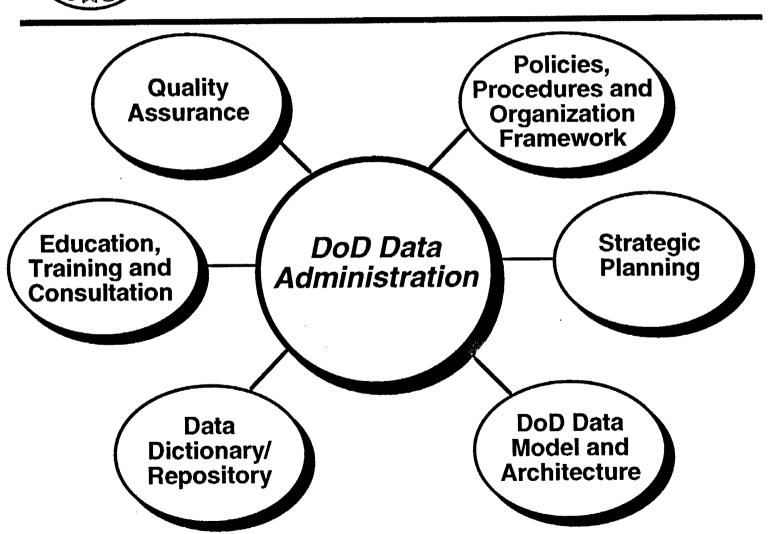


Legacy Information Systems Environment

Integrated Information Systems Environment



Elements of the DoD Data Administration Program





Center for Information Management Data Administration Program Accomplishments To Date

Policies,
Procedures and
Organization
Infrastructure

- DoD Data Administration Policy and Data Standardization Procedures Have Both Been Issued
- Established DoD Data Administration Council (DAC)
- Roles and Responsibilities Defined and Organization Infrastructure Established

Strategic Planning

- First DoD-wide Data Administration Strategic Plan Was Published for FY92-99
- Strategic Planning Guidance Provided for FY93-2000 (Plan Nearing Completion)

- DoD Data Model and C2 Core Data Model Completed
- Baseline DoD Data Framework to Prioritize DoD Model Extensions and Shared Data Management Completed
- Standard Data Are Being Derived from This Baseline



Data Administration Program Accomplishments To Date (Continued)

Data Dictionary/ Repository

- Meta Data Model of Integrated Data Repository Requirements Has Been Developed
- DoD Data Repository (DDRS) and IDEF Model Repository (IMR) Operational
- Nearly 50,000 Migration Data Elements Loaded (2077 from 5000.12; 5,498 Are Developmental Elements)

Education, Training and Consultation

- Executive and Management Level Seminars Provided/Available as Requested
- Trained approximately 3,000 People in Classroom and Remote Training Events in Data Administration and Modeling

- Guidelines Developed for Data Integrity and Security and Database Synchronization
- Initiated Pilot Project to Implement Guidelines



Center for Information Management Data Administration Program On-going Program Actions

Policies,
Procedures and
Organization
Infrastructure

- Data Administration Procedures Manual in Final Coordination
- Three Procedure Manuals Drafted, Informally Reviewed, and Being Refined
 - (1) Data Security, (2) Data Quality, and (3) Database Administration

Strategic Planning

- Final Coordination of FY93-2000 DoD Data Administration Strategic Plan
- Developing the Annual Planning Guidance for the DoD Data Administration Strategic Plan

- Extending DoD Data Model and Acceleration of Enterprise Data with Functional/Component Participation
- Acceleration of Data Standardization Activities



Data Administration Program On-going Program Actions (Continued)

Data Dictionary/ Repository

- Proactively Validating Meta Data Repository Requirements
- Planning for Evolution of DDRS to Meet Requirements
- Improving Operational Support of DDRS
- Developing DDRS Support for DoD "Starter Set"

Education, Training and Consultation

- Developing an "A-to-Z" Course in Data Administration
- Pursuing Satellite-based Training Option
- Establishing Coalition of Training Institutions

- Conducting Data Quality Baseline Assessment
- Continuing Pilot Project on Guidelines Also Continues
- Conducting DoD Data Security Requirements Review



Center for Information Management Data Administration Program Planned Activities

Policies,
Procedures and
Organization
Infrastructure

- Publish 4 Procedures Manuals:
 - (1) Data Administration, (2) Data Security, (3) Data Quality, and (4) Database
- Draft 5 Procedures Manuals:
 - (1) Reengineering Data, (2) Integrating External Standards, (3) Model Integration,
 - (4) Standardizing Complex Data and Data Types, and (5) SDD Data Requirements.
- Revise Data Standardization Procedures Based on Revised Acceleration Approach and Manuals as Appropriate

Strategic Planning

- Develop Plans to Assist Functionals in the Data Dimension of Accelerating the Selection and Deployment of Migration Systems
- Develop Methods (e.g. Reverse Engineering) to Assist Functionals in Developing and Executing Data Migration Plans

- Enhance Model Management of DoD Data Model Extension Efforts
- Implement Revised Approach to Accelerated DoD Enterprise Data Supported by the Data Framework



Data Administration Program Planned Activities (Continued)

Data Dictionary/ Repository

- Provide Interface Between DDRS and IDEF Model Repository
- Provide PC Capability
- Develop functional Description for Full-featured Repository System

Education, Training and Consultation

- Prototype an "A-to-Z" Course in Data Administration and Expand Training/Student Base
- Evaluate Satellite-based Training Options
- Accomplish the Coalition of Training Institutions Program

- Publish Data Quality Baseline Assessment Report
- Publish a Report on the Guidelines Pilot Project
- Publish a Report on DoD Data Security Requirements Reviews



Center for Information Management Data Administration Program ISSUES



Urgent Need for Corporate Data



Data Integrity



Sharable Data



Data Security



Migrating Legacy Data to Corporate Data



Creating a Working Environment for Sharing

- O&M Commanders' Needs
- Center's Capability

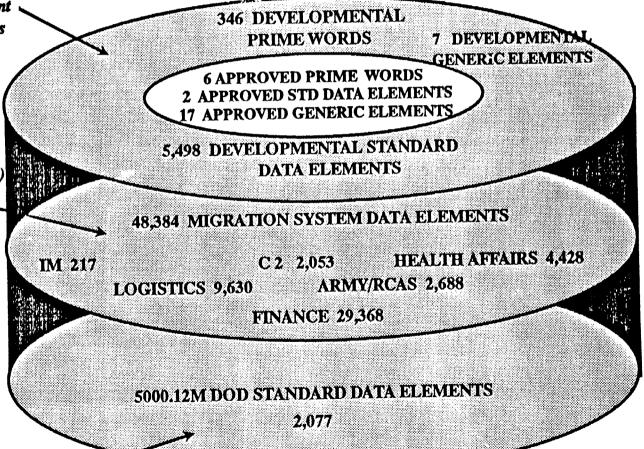


Center for Information Management Contents of the Defense Data Repository System

(9/21/93)

Submitted for development as candidate prime words and data elements.

Migration and Key
Legacy System data
elements (non-standard)
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reference purposes



DoD Data Element Standards coordinated and standardized 1964 - 1991.

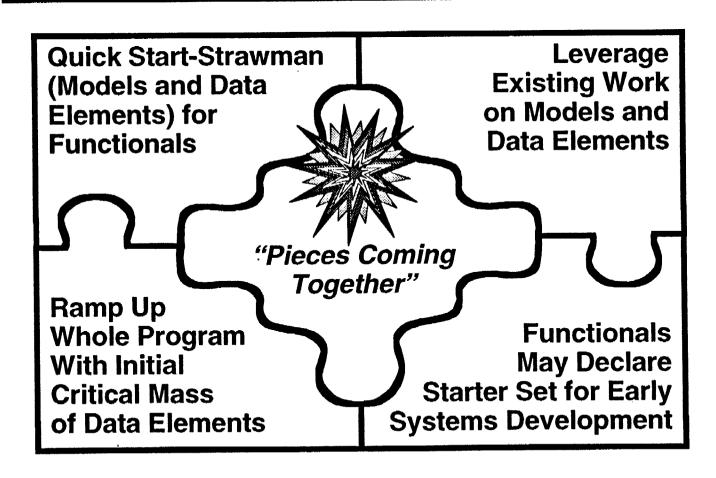


Center for Information Management Model-based Enterprise Data in the Pipeline for 1st Half FY94

(Anticipated Data Entering the Process)	
C2	1,815
COMP, HA, LOG, IM	1,000
ARMY	700
NAVY	TBD
AIR FORCE	100
ESTIMATED INPUT - 1ST QTR FY 94	3,615
STIMATED INPUT - 2ND QTR FY 94	900-1,000
ESTIMATED MODEL-BASED CORPORATE DATA INPU	T <u>4,515</u> +



"Pieces Coming Together"





SUMMARY

- Data Administration and Policy Infrastructure Is in Place and Postured to Add Value to O&M Commands
- Functional Focus Is Beginning to Provide Synergism
- Ready to Leverage Current Modeling Efforts and Legacy/Migration Systems in Partnership with O&M Commanders
- Near-term Focus on Process Reengineering Postures Us To Capitalize on Enterprise-wide Shared Data Framework



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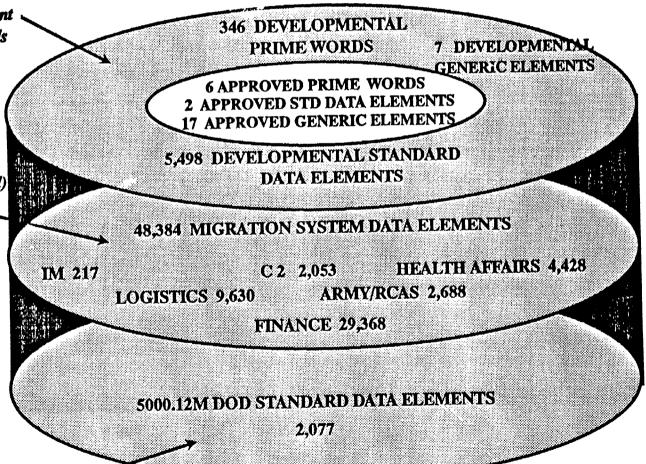


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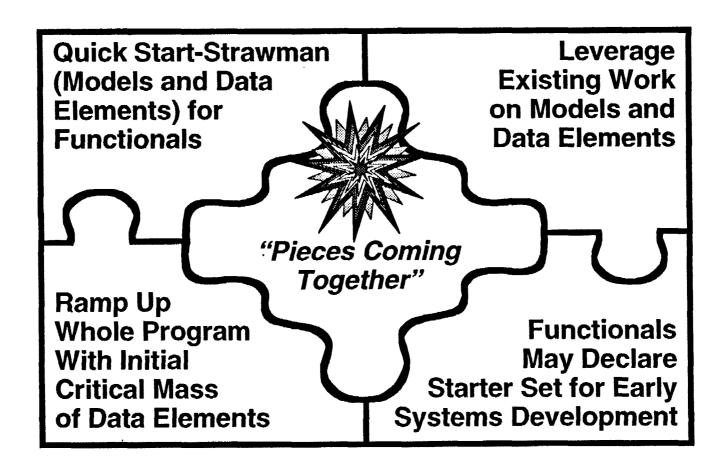
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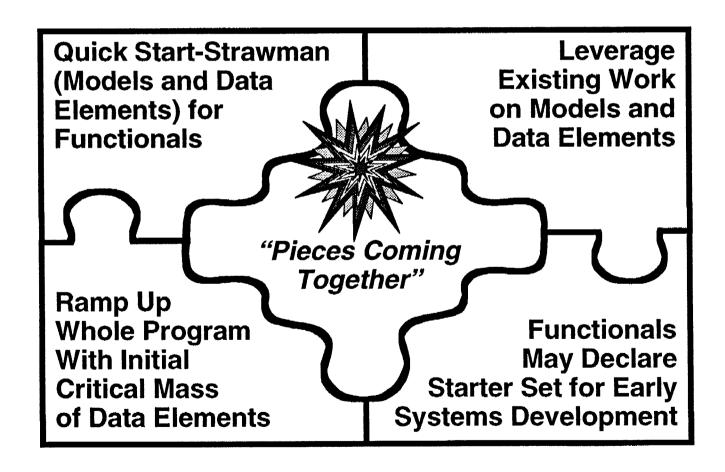


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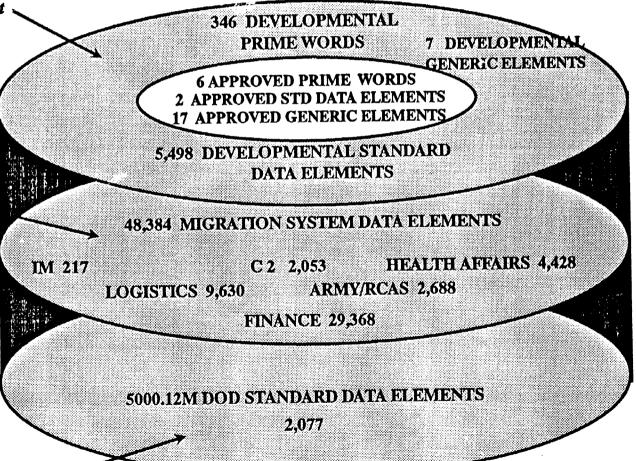


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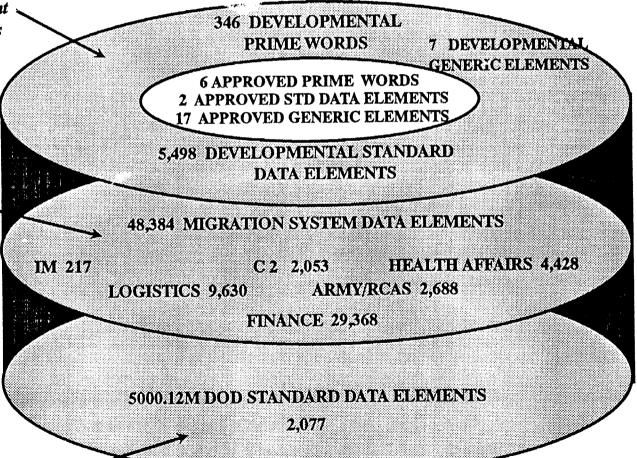


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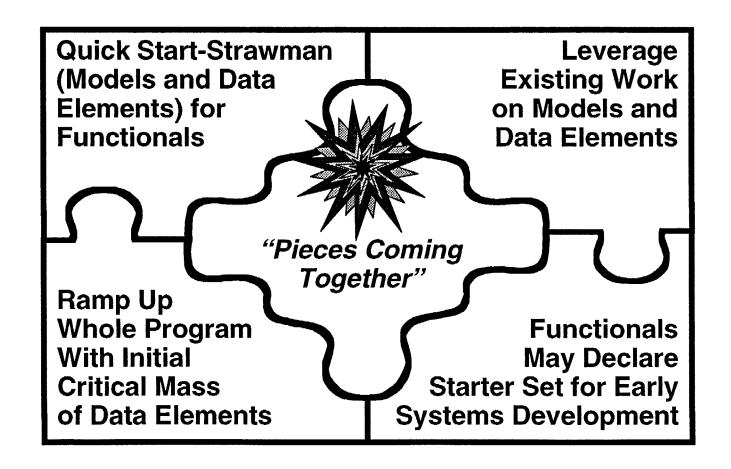


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